DATAPOINT 2200 BUSINESS PROCESSOR

The Datapoint 2200 is the general purpose processor of the Datapoint line. Its power and flexibility permit it to serve as either the central computer for the sophisticated DATASHARE system, or as a stand-alone processing and data entry device.

The 2200 system contains a general purpose computer designed for a variety of applications in dispersed networks. The heart of the 2200 is a completely programmable multi-register computer with pushdown stack, interrupts and selectable execution mode (two identical sets of program registers), to be contained in a compact housing.

The 2200 will accommodate up to 16,384 bytes (8-bits) of memory. This fast, solid-state memory is incremented in 4K blocks such that the user need request only the amount necessary for the application. 4, 8, 12 & 16K sizes are available. Like all of the Datapoint processors, all memory is user-programmable. None is taken for system buffers or hardware needs.

The 2200 is supplied with a keyboard, display and dual cassette drives. These devices operate as peripherals to the 2200. The keyboard & display replace the traditional and awkward programmer's console found on most business computers. This configuration also makes an efficient data entry operator's console. The cassettes are used for program and data storage. Any Datapoint peripheral may be connected to the 2200 with 14 external peripherals being the maximum number.

An option for a 128 character programmable high speed display is available for applications requiring special characters.

Functional Characteristics

Processor:
The integral processor provides all control functions and includes:
14 addressable registers
16 deep-pushdown stack
8 bit memory word length
Up to 16,384 word memory
Complete parallel I/O System
Automatic power-up restart

Keyboard:
Standard typewriter, 55 keys
11 Key numeric pad
5 control Keys
Audio tones

Video Display:
7x3.5'' viewing area
80 columns by 12 rows,
960 character positions
Upper and lower case
(96 ASCII Characters)
5x7 dot matrix for high legibility

Cassette Tapes:
Standard Phillips Cassettes
7.5 inches per second speed
Rewind
Write forward
Slew forward & reverse
Search forward and reverse mode
Approximately 120,000 characters storage on each side
Completely processor controlled

Memory:
4,096 to 16,384 word memory (8 bit word)
1.6 microsecond access
All memory fully programmable

Physical Characteristics

Equipment Dimensions:
Width: 18.5 in. (47 cm)
Height: 9.6 in. (24.5 cm)
Depth: 19.6 in. (50 cm)
Weight: 47 lbs. (21.3 kg)

Power Requirements:
115 VAC, 50 or 60 Hz
(230 VAC, 50 or 60 Hz optional)

Environment:
32 to 122 degrees F
(0 to 50 degrees C)
40 to 60% relative humidity, non-condensing

Model Codes

2214 Datapoint 2200, 4K Memory, 115 VAC, 50 or 60 Hz
2218 Datapoint 2200, 8K Memory
2222 Datapoint 2200, 12K Memory
2226 Datapoint 2200, 16K Memory
2163 230 VAC, 50 or 60 Hz, Power Option
9001 Programmable High Speed Display Option